PHILIP MORRIS II. S. A.

CORRESPONDENCE INTER-OFFICE

Richmond, Virginia

To:

R. Fenner

NOV 15 1991 S Date: November 11, 1991

From:

J. Lephardt

Subject: Puff by Puff pH Measurement

Following up on our phone conversation, attached are copies of the inactive ARD method for smoke puff by puff pH measurement and the original article upon which the method was based. To achieve some of its objectives, the Chemical Senses program will require information relating to free base nicotine delivery level from various cigarettes. As a direct measurement is not presently available, this information may need to be inferred from the total nicotine delivered per puff and the pH of the puff. Because it will be important to establish differences in delivery for different cigarette blends, controlled conditions for smoking are essential. Needless to say, CTSD is best equipped and most skilled for such testing. I would appreciate your review of the method used previously for any improvements that might be suggested and also for consideration of your implementation of such a method. At your request, I have copied Joe Garman with this information and will interact further with him directly on this matter. J. Lepharth

cc:

J. Garman

R. Carchman

Central Files